

AMENDEMENTS TO THE CLAIMS

Upon entry of the following amendments, this listing will replace all prior listings of claims in the application:

Listing of the Claims:

1. (Currently Amended) A wireless mobile phone comprising:
a processor;
a transceiver coupled to the processor, and configured to facilitate wireless telephony communication by a user;
a reader coupled to the processor[[,]] and configured to read a reference heart beat profile of the user from an identity card of the user, wherein the identity card is external to, and not part of, the wireless mobile;
a plurality of sensors coupled to the processor, and configured to facilitate real time capturing of a heart beat profile of the[[a]] user from the user's hand; and
operating logic configured to be operated by the processor, to receive the real time captured heart beat profile of the user, to authenticate the user by comparing the real time captured heart beat profile with the reference heart beat profile, and to selectively operate the wireless mobile phone depending on whether the user is successfully authenticated based at least in part on a result of the comparison;
wherein the operating logic is further configured to save the real time captured heart beat profile of the user as another reference heart beat profile for future authentication.
- 2-4. (Cancelled)
5. (Currently Amended) The wireless mobile phone of claim 1, wherein the reader ~~comprising~~ comprises an electronic reader, an optical reader, or a magnetic reader.
6. (Previously Presented) The wireless mobile phone of claim 1, wherein the sensors are positioned along periphery of the wireless mobile phone.

7. (Currently Amended) In a wireless mobile phone, a method of operation comprising:
reading a reference heart beat profile of a user, by a reader of the wireless mobile phone,
from an identity card of the user, wherein the identity card is external to[[.]], and not part of, the
wireless mobile phone;
capturing in real time, from a hand of the user, by sensors of the wireless mobile phone, a
heart beat profile of the user;
authenticating the user, by the phone, including comparing the real time captured heart
beat profile of the user with the reference heart beat profile;
operating a processor and a transceiver of the wireless mobile phone to facilitate wireless
telephony communication by the user, beyond a set of functions not requiring user
authentication, if the user is successfully authenticated via the comparison; and
saving the real time captured heart beat of the user as another reference heart beat profile
for future authentication.

8-11. (Cancelled)

12. (Currently Amended) A wireless mobile phone comprising:
a processor and a transceiver coupled to each other, and configured to facilitate wireless
telephony communication by a user, with the processor being configured to operate in at least a
selected one of a first mode and a second mode;
a reader coupled with the processor, and configured to facilitate reading of a reference
biometric profile of the user, from an identity card of the user, wherein the identity card is
external, not part of the wireless mobile phone;
one or more sensors coupled with the processor, and configured to capture in real time a
biometric profile from the user; and
operating logic configured to authenticate the user, by comparing the real time captured
biometric profile with the reference biometric profile, to operate the processor in said first mode
without authentication of the user, and to operate the processor in said second mode if the user is
successfully authenticated;

wherein the operating logic is further configured to save the real time captured biometric profile of the user as another reference biometric profile for future authentication.

13. (Currently Amended) The wireless mobile phone of claim 12, wherein the first mode has ~~less~~fewer functions available than the second mode.

14. (Previously Presented) The wireless mobile phone to claim 1, wherein the sensors are positioned along periphery of the wireless mobile phone.

15. (Currently Amended) In a wireless mobile phone, a method of operation comprising:
operating a processor and a transceiver coupled to each other to facilitate wireless telephony communication by a user, in a first mode, prior to authenticating the user;

reading a reference biometric profile of the user, by a reader of the phone, from an identity card of the user, wherein the identity card is external to, and not part of, the wireless mobile;

capturing in real time a biometric profile of the user from the user, by one or more sensors[[,]];

authenticating the user[[,]] by comparing the real time captured biometric profile with the reference biometric profile; ~~and~~

operating the components in a second mode if the user is successfully authenticated based at least in part on a result of said comparing[[,]]; and

saving the real time captured biometric profile of the user as another reference biometric profile for future authentication.

16. (Currently Amended) The ~~wireless mobile phone~~method of claim 15, wherein the first mode has ~~less~~fewer functions available than the second mode.

17. (Currently Amended) The ~~wireless mobile phone~~method of claim 15, wherein said capturing comprises capturing in real time a biometric profile of the user, by the one or more sensors, upon power-up of the wireless mobile phone.